

ENVIRONMENTAL REVIEW COMMITTEE REPORT

ERC MEETING DATE: September 24, 2012

Project Name: Wells PW-8, PW-9, & EW-3 Primary Disinfection Project

Project Number: LUA12-075, ECF

Project Manager: Gerald Wasser, Associate Planner

Owner: City of Renton
1055 South Grady Way
Renton, WA 98057

Applicant: Tom Malphrus
City of Renton Water Utility
1055 South Grady Way
Renton, WA 98057

Contact: Same as above.

Project Location: 1715 Maple Valley Highway & 1500 Houser Way North

Project Summary: The applicant is requesting Environmental (SEPA) Review for a project which would provide primary disinfection of source water from Wells PW-8, PW-9, and EW-3 prior to its entry into the water distribution system.

Wells PW-8 and PW-9 are located in Cedar River Park in the Commercial/Office/Residential (COR) zone. Work in this area would involve installation of approximately 520 feet of buried 36 inch welded steel pipe and 40 feet of buried 24 inch welded steel pipe including valves, elbows, couplings and other appurtenances as well as manholes, air vacuums, sampling ports, and sample lines. The work in this area also involves the installation of approximately 253 feet of buried 12 inch ductile iron water main pipe and associated valves and fittings near the west side of the Renton Community Center. The footprint for this work is approximately 0.46 acres.

Well EW-3 is located in Liberty Park in the Commercial Arterial (CA) zone. Work in this area would involve installation of approximately 425 feet of buried 24 inch ductile iron water main pipe and 65 feet of buried 10 inch ductile iron water main pipe including valves, elbows, couplings, and other appurtenances as well as manholes, air vacuums, sampling ports, and sample lines. The footprint for this work is approximately 0.22 acres.

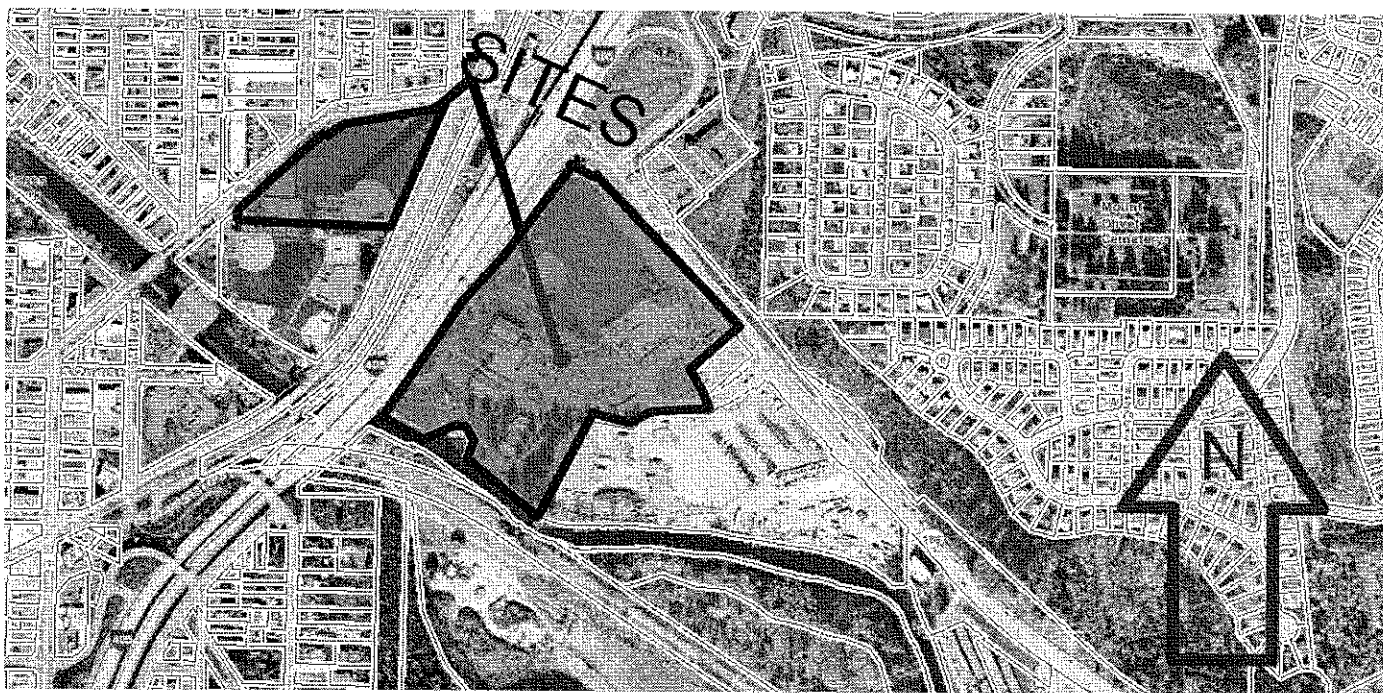
Exist. Bldg. Area SF: N/A **Proposed New Bldg. Area (footprint):** N/A

Proposed New Bldg. Area (gross): N/A

Site Area: N/A **Total Building Area GSF:** N/A

STAFF RECOMMENDATION:	Staff Recommends that the Environmental Review Committee issue a Determination of Non-Significance - Mitigated (DNS-M).
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Location Map



PART ONE: PROJECT DESCRIPTION / BACKGROUND

The project would provide primary disinfection to the source water from Wells PW-8, PW-9, AND EW-3. The purpose of primary disinfection is to provide 4-log (99.99%) inactivation of viruses to the source water prior to entry into the water distribution system.

Wells PW-8 and PW-9 are located in Cedar River Park in the Commercial/Office/Residential (COR) zone. Work in this area would involve installation of approximately 520 feet of buried 36 inch welded steel pipe and 40 feet of buried 24 inch welded steel pipe including valves, elbows, couplings and other appurtenances as well as manholes, air vacuums, sampling ports, and sample lines. The work in this area also involves the installation of approximately 253 feet of buried 12 inch ductile iron water main pipe and associated valves and fittings near the west side of the Renton Community Center. The footprint for this work is approximately 0.46 acres.

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The project is scheduled to commence construction in mid-October, 2012 and be completed by mid-May, 2013. Project construction would be limited to 7:00 am to 6:00 pm, Monday through Friday. A limited amount of work would be scheduled for weekends in order to minimize disruption of the use of public facilities at Liberty and Cedar River Parks; for example, when new water service is connected to the Renton Community Center in Cedar River Park.

Construction transport to the site would be via Houser Way North and Maple Valley Highway. Large construction materials would be delivered via Maple Valley Highway. The construction corridor would be approximately in width. A total of approximately 1,755 cubic yards of excavated material would be stored on site. No imported fill material would be used.

The project contractor will be responsible for ensuring that a traffic control plan is in place during construction to ensure access for residents and emergency vehicles.

PART TWO: ENVIRONMENTAL REVIEW

In compliance with RCW 43.21C.240, the following environmental (SEPA) review addresses only those project impacts that are not adequately addressed under existing development standards and environmental regulations.

A. Environmental Threshold Recommendation

Based on analysis of probable impacts from the proposal, staff recommends that the Responsible Officials:

Issue a DNS-M with a 14-day Appeal Period.

B. Mitigation Measures

1. Work shall immediately cease and the Washington State Department of Archaeology and Historic Preservation shall be contacted at (360) 586-3065 should any archaeological artifacts be discovered during earthwork activities.

C. Exhibits

- Exhibit 1 Neighborhood Detail Map
- Exhibit 2: Aerial Photo
- Exhibit 3: Liberty Park CT Pipeline Plan and Profile
- Exhibit 4: Cedar River Park CT Pipeline and Profile
- Exhibit 5: Cedar River Park Watermain Pipeline Plan and Profile

D. Environmental Impacts

The Proposal was circulated and reviewed by various City Departments and Divisions to determine whether the applicant has adequately identified and addressed environmental impacts anticipated to occur in conjunction with the proposed development. Staff reviewers have identified that the proposal is likely to have the following probable impacts:

1. Earth

Impacts: As the project consists of water pipes and associated appurtenances which are located outside of public rights-of-way, no significant impacts are anticipated. Soils consist of organic materials, silt, sand, and some gravels. The project is located in an area of flat terrain.

Construction corridors would be approximately 3 to 5 feet in width. Trench depth would be a maximum of 10 feet in depth. A total of approximately 1,755 cubic yards of material would be excavated and stored on the project sites; and no imported fill material would be used for this project. Erosion potential is minimal. Standard erosion control for utility excavation would be employed including filter fabric fences, covering soil stockpiles, mulch and catch basin inlet protection.

No change in impervious surface coverage would result from completion of this project.

Mitigation Measures: No additional mitigation is required.

Nexus: Not applicable.

2. Water

Impacts: The project site is within Aquifer Protection Zone 1. The contractor for this project would store diesel fuel and other hazardous material on the project site in properly secured structures with secondary containment. The contractor would notify the City and the Washington State Department of Ecology immediately upon discovery of any release of hazardous materials. The groundwater table is located over 10 feet below the project construction. No groundwater would be withdrawn for construction of the project and no intentional discharges to the groundwater are planned.

The water table at the project locations varies seasonally, but is approximately 20 feet deep. While waste material could enter the groundwater, it would have to travel through at least 10 feet of soil. Waste material could enter surface water via storm drain systems, but lack of slope at the project site and the scarcity of storm drain inlets near the project site make it unlikely that waste material would enter the storm drain system. Construction of the project is expected to generate minimal waste material and no waste material would be generated after project completion.

Filter fabric would be installed in the storm drain inlets near the project sites. Stockpiled excavated material would be covered to prevent erosion via precipitation. Additionally, the project sites would be inspected frequently for erosion.

Pursuant to RMC 4-9-015C.1 pipelines are exempt from operating and closure permits.

Mitigation Measures: No additional mitigation is necessary.

Nexus: Not applicable.

3. Air

Impacts: Because construction activities would take place during the wet winter and spring seasons, there would be minimal impacts resulting from dust. Engine emissions will be created as a result of digging by construction equipment. Standard emission control devices will be utilized by construction equipment and standby generators will be used during construction and operational phases of the project.

Mitigation Measures: No additional mitigation is required.

Nexus: Not applicable.

4. Noise

Impacts: There may be short term noise associated with construction equipment. Construction schedules will adhere to Renton Municipal Code regulations in regards to hours of construction operation.

Mitigation Measures: No additional mitigation is required.

Nexus: Not applicable.

5. Historic and Cultural Preservation

Impacts: The proposed project is located in an area with a high probability of archaeological sites. While the site has previously been disturbed, there remains a potential for subsurface archaeological deposits. Staff recommends that work shall immediately cease and the Washington State Department of Archaeology and Historic Preservation shall be contacted at (360) 586-3065 should any archaeological artifacts be discovered during earthwork activities.

Mitigation Measures: Work shall immediately cease and the Washington State Department of Archaeology and Historic Preservation shall be contacted at (360) 586-3065 should any archaeological artifacts be discovered during earthwork activities.

Nexus: SEPA Environmental Regulations

6. Transportation

Impacts: Traffic impacts near the construction site would be minimal. All three wells have large areas outside of the public right-of-way which can be used for unloading materials and loading and unloading of construction equipment. Mud may be an issue at the construction sites; trucks and other equipment leaving the muddy areas of the project would have their wheels cleaned prior to entering public parking areas and roadways.

The construction areas will be fenced during construction activities and the project contractor would maintain a traffic control plan which would ensure emergency vehicle access during construction activities.

During construction several parking spaces on the east side of Liberty Park and on the west side of the Renton Community Center would be occupied with construction or construction staging materials. The parking spaces in Liberty Park would be occupied during what is considered to be the "off season" and are anticipated to have minor impact on recreation activities. The parking spaces on the west side of the Renton Community Center are in an area of low use and are anticipated to have minor impact on recreation activities.

Mitigation Measures: No additional mitigation is required.

Nexus: Not applicable.

7. Parks and Recreation

Impacts: The project site is within both Liberty Park and Cedar River Park. Construction will be in the vicinity of the ball fields, the Renton Community Center, walking, running, and play areas. During construction activities, some non-scheduled recreation activities may be disrupted. The applicant has coordinated and will continue to coordinate with the Community Services Department to ensure that scheduled activities are not impacted by construction activities.

Mitigation Measures: No additional mitigation measure is required.

Nexus: Not applicable.

E. Comments of Reviewing Departments

The proposal has been circulated to City Department and Division Reviewers. Where applicable, their comments have been incorporated into the text of this report and/or "Advisory Notes to Applicant."

- ✓ **Copies of all Review Comments are contained in the Official File and may be attached to this report.**

The Environmental Determination decision will become final if the decision is not appealed within the 14-day appeal period (RCW 43.21.C.075(3); WAC 197-11-680).

Environmental Determination Appeal Process: Appeals of the environmental determination must be filed in writing together with the required fee to: Hearing Examiner, City of Renton, 1055 South Grady Way, Renton, WA 98057, on or before 5:00 p.m. on October 12, 2012. RMC 4-8-110 governs appeals to

the Hearing Examiner and additional information regarding the appeal process may be obtained from the City Clerk's Office, Renton City Hall – 7th Floor, (425) 430-6510.

ADVISORY NOTES TO APPLICANT

The following notes are supplemental information provided in conjunction with the administrative land use action. Because these notes are provided as information only, they are not subject to the appeal process for the land use actions.

Planning:

1. Construction activities shall be restricted to the hours of 7:00 am and 8:00 pm, Monday through Friday. Work on Saturdays shall be between the hours of 9:00 am and 8:00 pm. No work shall be permitted on Sundays.
2. RMC Section 4-4-030.C.2 limits haul hours between the hours of 8:30 a.m. and 3:30 p.m., Monday through Friday unless otherwise approved by the Department of Community and Economic Development.

Community Services Department/Parks Division & Recreation Division:

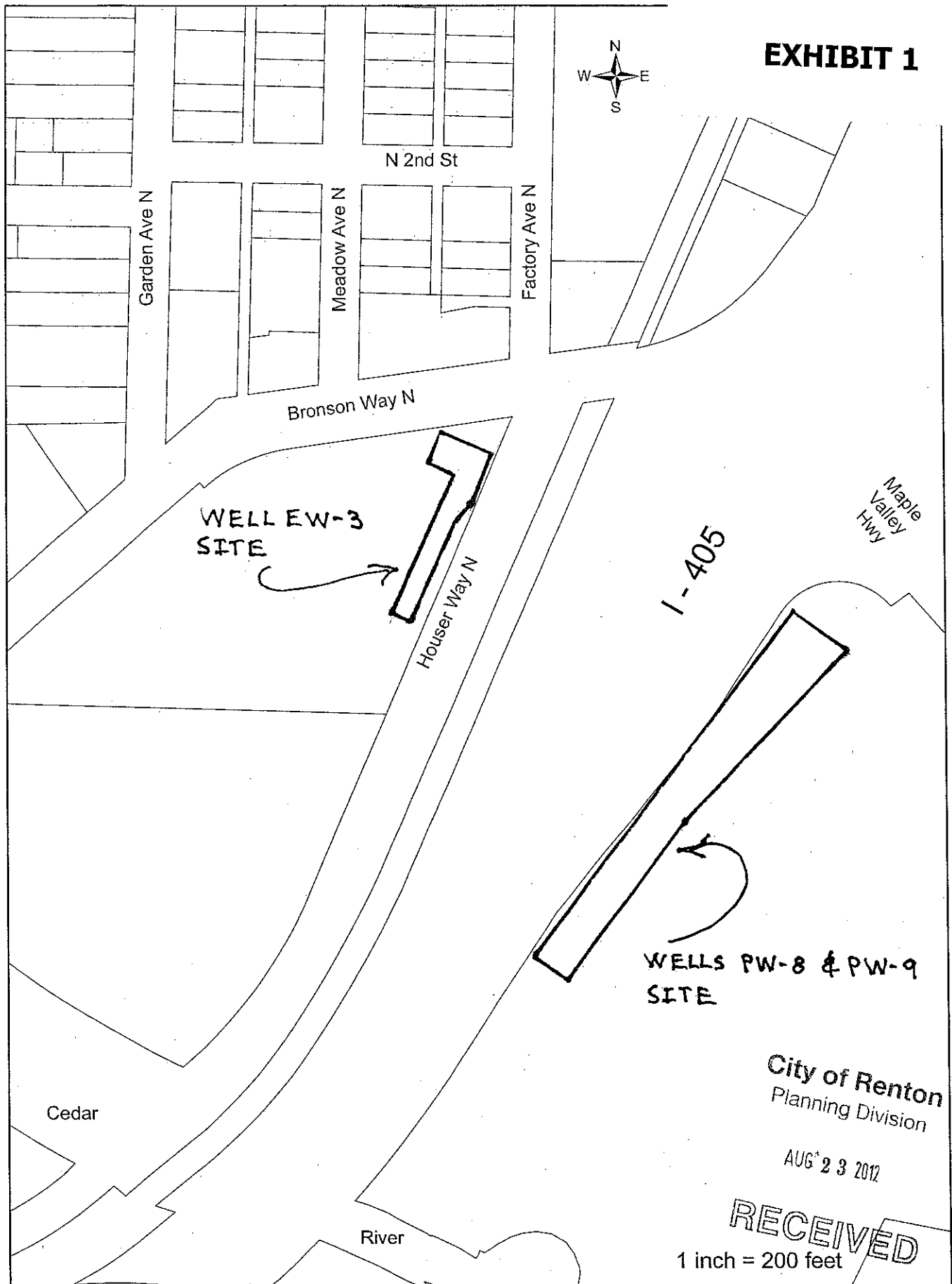
1. November 2012 – February 2013 time frame for the **Liberty Park portion of the Primary Disinfection Project** - there are no conflicts with programs/events scheduled in the park. Pipe installation to follow agreed upon route in "foul" territory area of turf noted on site plan as EW-3.
2. Driveway cut-in/excavation for installation of ductile iron water main at Cedar River Park/Renton Community Center (RCC), and again for the driveway on the west side of the RCC must not impact noted times, programs and events listed below:
 - Coordinate with Parks, Facilities and Recreation Divisions to schedule water shutoff for new mainline connection.
 - Dates to avoid any interruption due to volume of traffic at the RCC are:
 - ✓ Saturday, October 27, 2012
 - ✓ Saturday, November 10, 2012 – wedding rental until 10:00 pm
 - ✓ November 14 – 17, 2012 – annual Holiday Bazaar (big event)
 - ✓ November 30 And December 1, 2012 – major event
 - ✓ Recreation programs and pre-school are scheduled Monday – Friday from 6:00 am to 10:00 pm
3. Options for alternative work windows for water shutoff/new mainline install:
 - The RCC is closed on Sundays – typically work is not allowed on Sundays, but this may be an option.
 - Holidays – RCC is closed Veterans Day, November 12, 2012 and the day after Thanksgiving, November 23, 2012.
 - Working evening hours after 10:00 pm for new water main installation.
4. The "back", west side driveway would, at a minimum, need to have access for Fire Emergency traffic. At the completion of each work day, the driveway would need to be open to "through" traffic.
5. If water shutoff will affect Carco Theater (other rental factors) or the Henry Moses Pool, pumps and systems may need to be reset.

6. Contact Steve Brown, Parks Maintenance Supervisor, at x.6767 to coordinate irrigation locates in both Liberty and Cedar River Parks as well as for turf or seed specifications in repair areas.
7. Kelly Beymer, x.6617, and Steve Brown, x.6767, shall be included in all project/pre-construction meetings and correspondence so that potential issues are addressed.

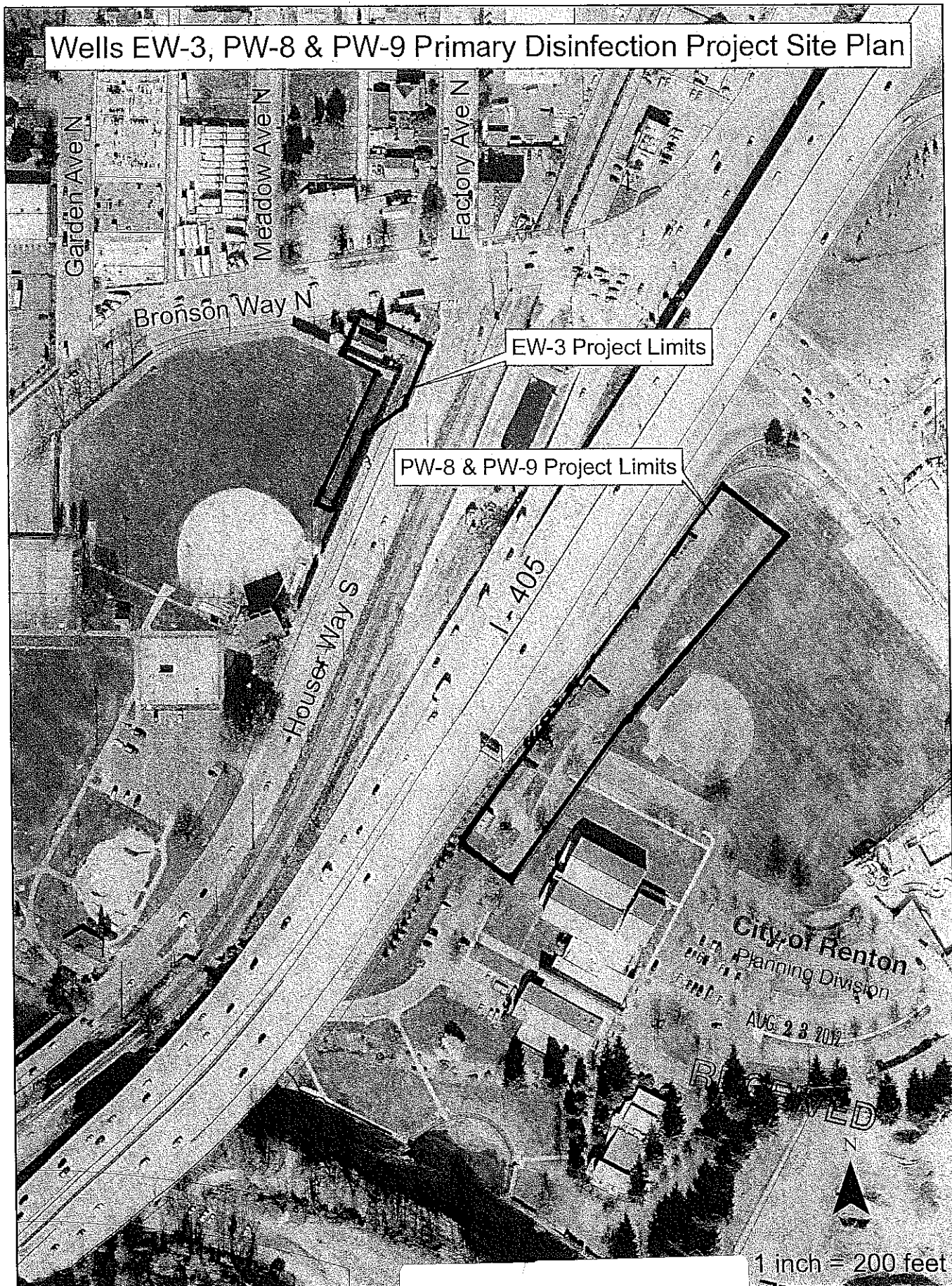
Neighborhood Detail Map

Wells PW-8, PW-9 & EW-3 Primary Disinfection

EXHIBIT 1



Wells EW-3, PW-8 & PW-9 Primary Disinfection Project Site Plan

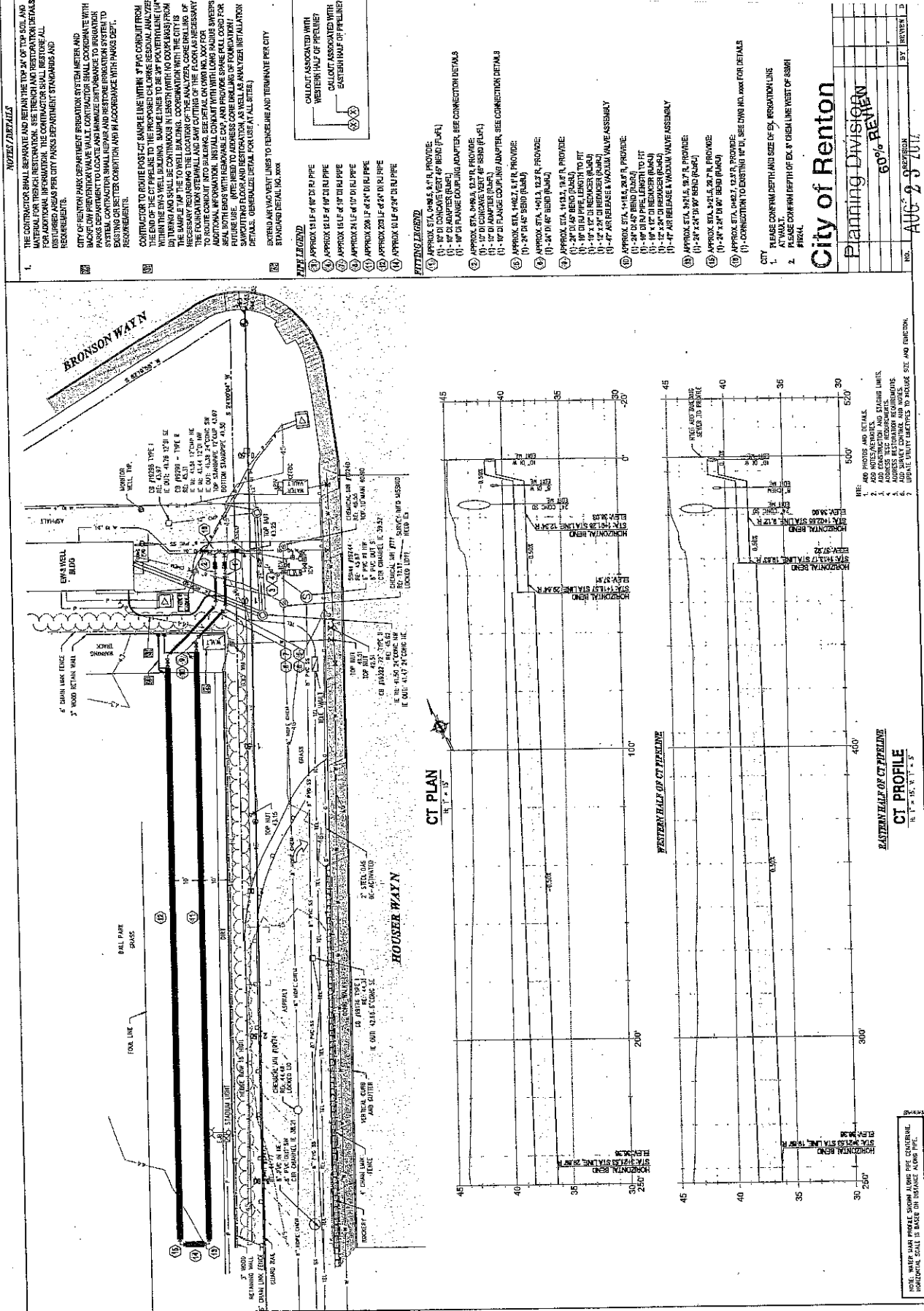




CITY OF RENTON
WELLS PW-8, PW-9, EW-3, AND SPRINGBROOK
SPRINGS PRIMARY DISTRIBUTION PROJECT
LIBERTY PARK SHEET - WELL EW-3
LIBERTY PARK CT PIPELINE PLAN AND PROFILE

EXHIBIT 3

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City of Renton
Planning Division

AUG 23 2012

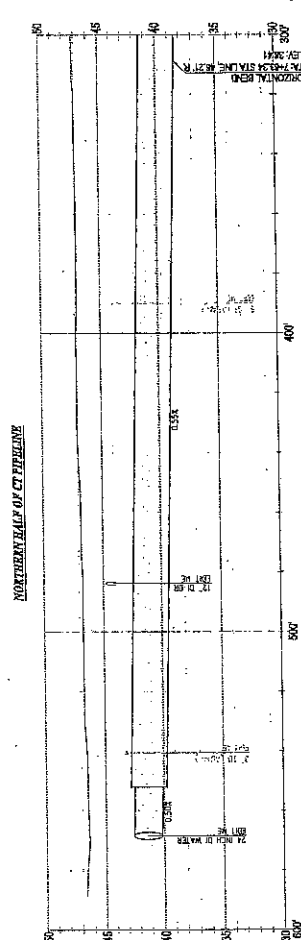
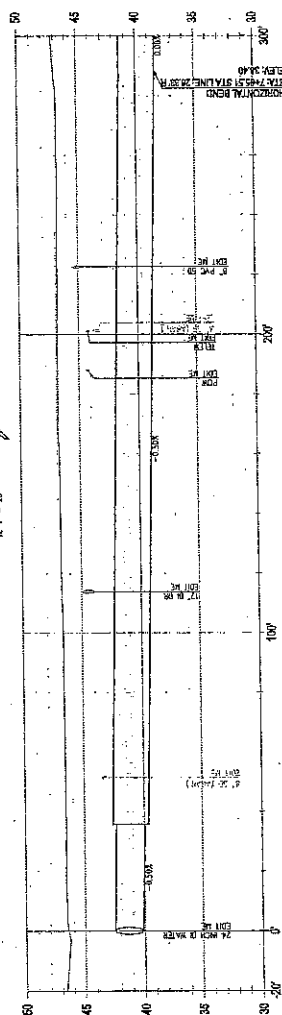
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NOTE:

1. PLEASE CONFIRM WHERE CHLORINE ANALYZER IS TO BE LOCATED. PH-4 OR COTF IN PLANT?
2. CAN EX. #7 CHEMICAL CONDUITS BE USED TO ROUTE SAMPLE LINE?
3. PLEASE CONFIRM IF DRAIN FROM 2" W TO 12" D SHOULD BE RECONNECTED. THIS WILL NEED TO BE RELOCATED PER CONNECTION DETAIL.

NOTE:

1. VERIFY LOCATION AND CONFIGURATION OF WATER METERS AND SERVICES.
2. VERIFY 2" -> 12" DRAIN
3. CONFIRM ISOLATION VALVE LOCATIONS.
4. UPDATE PROFILE AND ADD NOTES.
5. ADD PHOTOS AND DETAILS.

[illegible]

SOUTHERN HALF OF CY PIPELINE CT PIPELINE PROFILE

NOTE: WATER MAIN PROFILE SHOWN ALONG PIPE CENTERLINE.



CITY OF RENTON
WELLS PW-8, PW-9, EW-3, AND SPRINGBROOK
SPRINGS PRIMARY DISTRIBUTION PROJECT
CEDAR RIVER PARK WATERMAIN PIPELINE PLAN AND
PROFILE

EXHIBIT 5

NOTES / DETAILS

- ALL 12" DUCTILE IRON PIPE AND FITTINGS SHALL BE TRUE (BUT LESS) RESTRAINED JOINT (R.J.) PER THE SPECIFICATIONS.
- CONTRACTOR TO VERIFY CUBIC PER CITY OF RENTON STANDARDS.
- EXISTING TREES, DO NOT DISTURB.
- INSTALL SERVICE CONNECTION AND ROUTE OF WATER SERVICE LINE TO EX. WATER METER. INSTALL PER CITY STANDARD DETAIL.
- EX. VALVE CONVERT TO NORMALLY CLOSED. INSTALL VALVE MARKER PER DETAIL.
- HIGH VOLTAGE PRIMARY POWER. CONTRACTOR TO USE EXTRA CAUTION WHEN WORKING AROUND POWER LINE.
- EXISTING VALVE AND SERVICE CONNECTION TO BE ABANDONED IN PLACE. SEE 60% FOR ADDITIONAL INFORMATION.

City of Renton Planning Division

AUG 23 2012

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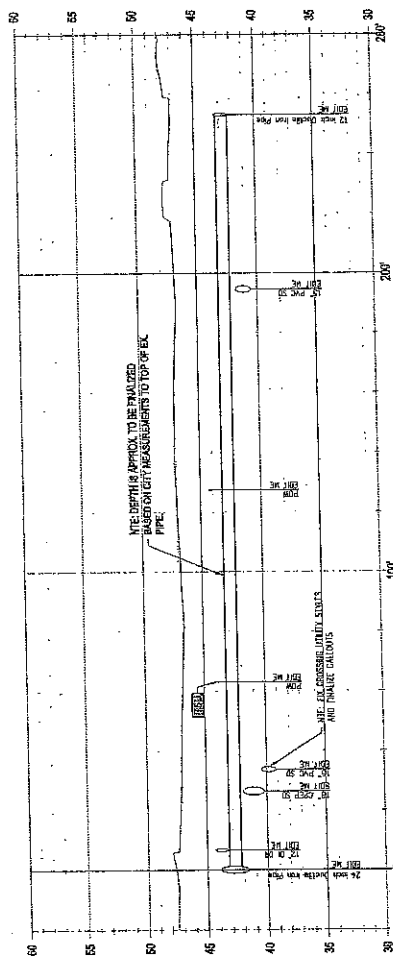
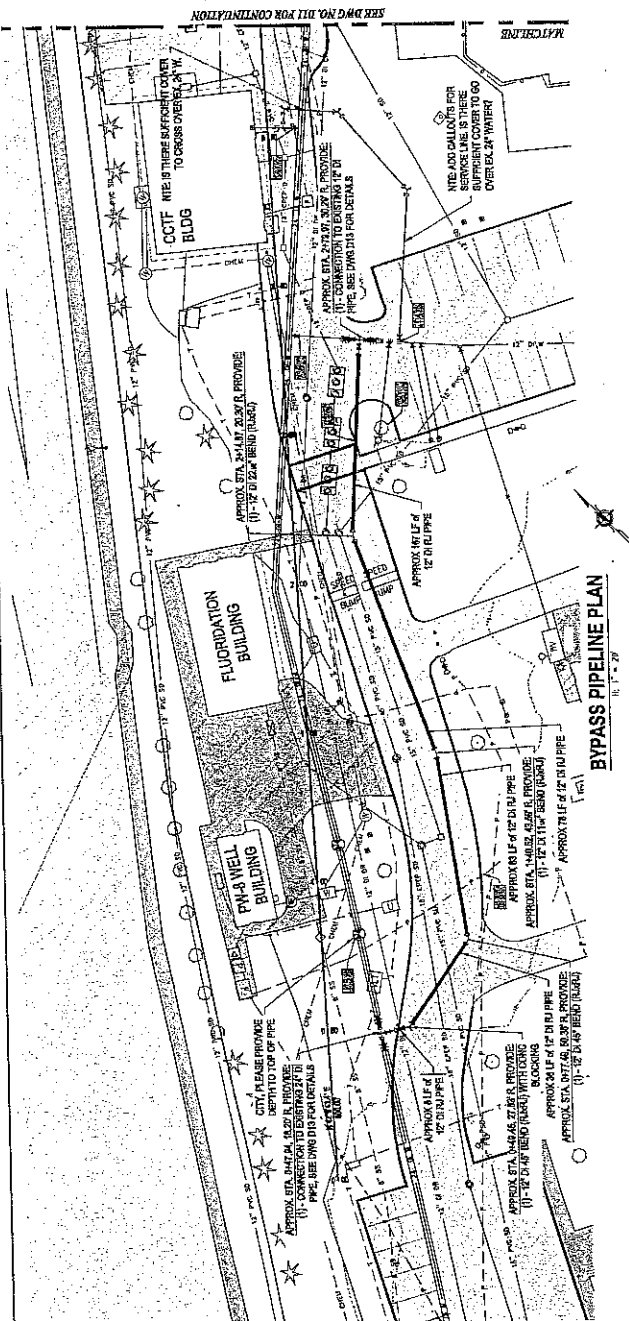
CITY:

- PLEASE LOCATE WATER SERVICE FOR FLUORINATION BUILDING.
- DEPTH TO EX. 4" AND 12" WATER TO APPROX. PLEASE PROVIDE DEPTH TO TOP OF PIPE FROM CONNECTION TO EXISTING POINTS.

- VERIFY LOCATION AND COMPLETION OF WATER METER AND SERVICES.
- VERIFY LOCATION AND COMPLETION OF WATER METER AND SERVICES.
- UPDATE PROFILE AND ADD NOTES.
- AND PHOTOS AND DETAILS.

60% REVIEW

BY: DATE:



WATERMAIN PROFILE

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NOTE: DEPTH IS APPROX. TO BE FINALIZED BASED ON CITY MEASUREMENTS TO TOP OF EX. PIPE.

NOTE: EX. ADDRESS, UTILITY STRUTS AND TRAILER CALLINGS.

NOTE: WATER MAIN PROFILE, BEARING ALONG THE CENTERLINE. HORIZONTAL SCALE IS BASED ON DISTANCE ALONG PIPE.